

Notice of Allowability	Application No.	Applicant(s)
	10/654,561	ABDOLLAHI-ALIBEIK ET AL.
	Examiner Nam T Nguyen	Art Unit 2824

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to the application file on 9/3/03.
2. The allowed claim(s) is/are 1-22.
3. The drawings filed on 03 September 2003 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
7. IDENTIFYING INDICIA SUCH AS THE APPLICATION NUMBER (SEE 37 CFR 1.84(c)) SHOULD BE WRITTEN ON THE DRAWINGS IN THE FRONT (NOT THE BACK) OF EACH SHEET. REPLACEMENT SHEET(S) SHOULD BE LABELED AS SUCH IN THE HEADER ACCORDING TO 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 9/3/03
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other EAST search.



RICHARD ELMS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800

DETAILED ACTION
EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

-In page 1, line 9, "Application No. XXXXXX" has been changed to –Application No 10/654,358--.

-In page 1, line 15, "Application No XXXXXX" has been changed to –Application No 10/654,322--.

-In page 1, line 21, "Application No XXXXXX" has been changed to –Application No 10/654258--.

REASONS FOR ALLOWANCE

2. Claims 1-22 are allowed.

The following is an examiner's statement of reasons for allowance:

There is no teaching or suggestion in the prior art to:

" logic generating the first and second stage control signals to select one of said plurality of taps as the selected tap, including, for all pairs of adjacent taps in the plurality of taps, logic to change the selected tap to the adjacent tap in the pair by

switching only one of the first stage multiplexer or the second stage multiplexer" as claimed in the independent claim 1. or;

" multiplexer logic generating the first and second stage control signals to select one of said plurality of taps as the selected tap in response to clock control signals, including, for all pairs of adjacent taps in the plurality of taps, logic to change the selected tap to the adjacent tap in the pair by switching either the first stage multiplexers or the second stage multiplexer, but not both; and logic to generate the control signals in response to relative timing of the output signal and the output clock signal" as claimed in the independent claim 11. or;

" controlling the selecting in first stage and the selecting in the second stage selecting, for all pairs of adjacent taps in the plurality of taps, to change the output tap to the adjacent tap in the pair by switching in only one of the first stage or the second stage" as claimed in the independent claim 22.

Conclusion

3. The following prior art, which is considered pertinent to applicant's disclosure although not relied upon, includes:

La Rose (Pub. No. US 2003/0001651) or Lim et al. (Pub. No. US 2003/0128598) disclose a memory device including the control logic generation similar to that of the present application, but fail to disclose as described above.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nam T Nguyen whose telephone number is (571) 272-1878. The examiner can normally be reached on 8 am to 5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571)272-1869. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nam T Nguyen
Examiner
Art Unit 2824

12/29/04
